



Project: Alaska Copper Works

Inspection Date: 3/12/19

Project No.: 18ACW1

Technician: David DuBois

**System Performance:**

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm)	Influent	<u>90</u>	Effluent	<u>140</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>15</u>	Effluent	<u>12</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>15</u>	Effluent	<u>12</u>	
Carbon Filter Pressures (Lead)	Influent	<u>10</u>	Effluent	<u>6</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>4</u>	Effluent	<u>0</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

**Maintenance and Inspection Checklist:**

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.75 drums onsite
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Inline probe verified within 0.05



**Water Sampling:**

Were water samples taken? ☐ Yes ☒ No

Raw water: pH 6.56 Turbidity 17 NTU

Bag Filter Influent pH 7.34 Turbidity 17 NTU

Bag Filter Effluent pH 7.21 Turbidity 13 NTU

Carbon Filter Influent pH 7.75 Turbidity 6 NTU

Carbon Filter Effluent pH 8.03 Turbidity 4 NTU

**Monthly Tasks:**

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: \_\_\_\_\_

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

**Sludge Depth (inches):**

Decant Tank: 0

Treatment tank: 0

Backflush tank: 0

Main lift station: -

North lift station: -

South lift station: -

**Additional Comments, Recommendations and System Upsets:**

David DuBois

Technician

Project Lead Tech

Title

3/12/19

Date

**Submit**